

North Carolina Agriculture Emergency Preparedness

Agriculture and Forestry Awareness Study Commission

February 19, 2014

NCDA&CS ROLES AND RESPONSE

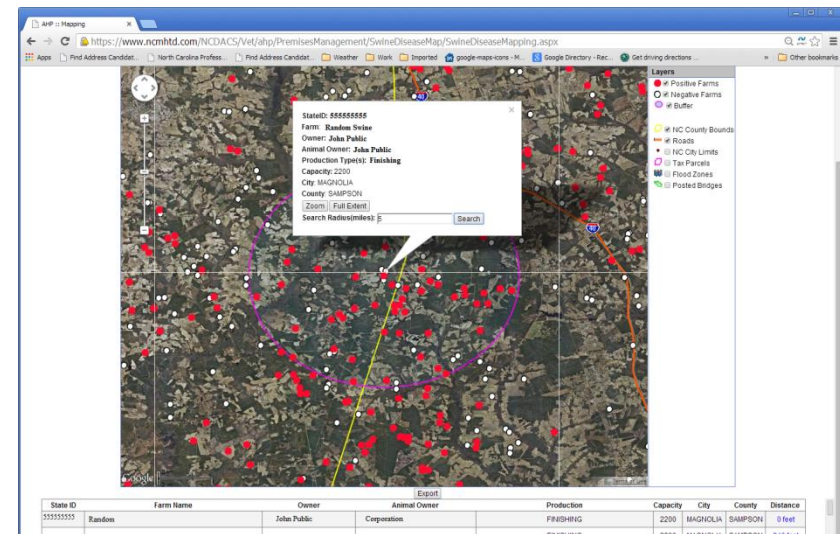
- ✓ **EMERGENCY PROGRAMS DIVISION-** Lead for Agriculture coordination and training/exercise
- ✓ **NC FOREST SERVICE-** incident management teams / equipment
- ✓ **FOOD & DRUG PROTECTION DIVISION-** food safety, embargo
- ✓ **FOOD DISTRIBUTION DIVISION-** USDA commodities, transportation, cold storage trailers

PLANNING IN QUIET TIMES

- ✓ **NCDA&CS EVENT PLANNING & BUILDING SECURITY**
- ✓ **COOP**
- ✓ **ANIMAL HEALTH PLANNING AND TOOLS**
- ✓ **RADIOLOGICAL PLANS**

Animal Health Issues

- Foreign Animal Disease Response Planning
 - Support business continuity
 - Minimize impacts of response plans on valuable animals or collections
 - Explore options for carcass disposal in catastrophic events
- Disease Tracking
 - Develop tools for display and sharing of data by industry
- Aedin's Law (G.S. 106-520.3A)
- Response to release from fixed nuclear facility



National Response Templates

- Avian Influenza Contingency Plans for Special Avian Collections
 - Asheboro Zoo
 - Rare/Endangered Species Avian Collections (NC)
- Logistical Infrastructure for Carcass Disposal
 - Methodology to verify best options for Disposal in NC
 - Explore additional options for catastrophic events

🟢 Carcass Disposal Calculator

- Disposal Management Tool
- FAZD Dashboard as a national tool

A11		Rendering Options (Operating Units: Pounds)									
	A	B	C	D	E	F	G	H	I	J	
1	Disposal Capacity Calculator February, 2013		Species and Total Count	Average Weight (lbs)	Percent to be Culled	Disposal Amount					
Swine			160	10%	Pounds		Tons				
9,200,000					147,200,000		73,600				
Enter animal population count in gray box											
Landfill Options (Operating Units: Tons)											
	# Landfills	Current Capacity (all landfills) Per Day	Average Capacity (per landfill) Per Day	Number of Days for disposal: Current Capacity	1/4 Rule Capacity Per Day Using all selected landfills	Number of Days for disposal: 1/4 Rule	Additional capacity* required per day - beyond 1/4 Rule Capacity**				
	40	20,500	513	3.6	5125	14					
*Additional capacity required to dispose of material within 30 days. **1/4 Rule Capacity equals capacity of number of landfills selected multiplied by .25											
Rendering Options (Operating Units: Pounds)											
	# Rendering Facilities	Current Capacity Per Week	Average Capacity Per Week	Number of Weeks for disposal: Current Capacity	Number of Rendering Facilities required to dispose of material in 4 weeks (using average capacity)		Additional capacity*** required per week - beyond current capacity****				
	6	63,950,000	10,658,333	2.3	3						
To dispose of material within 4 weeks. *Current Capacity equals number of rendering facilities selected											
Conveyance Options - # Truck Loads											
	Conveyance Type	Capacity (cubic yards)	approximate weight per cubic yard of material	# Truck Loads required to dispose of material	# Trucks/Conveyances Available	Total # of Trips (per truck)					
Capacity by Population Capacity by Weight Landfills Renderers											

FRAN- 1996- 115 MPH

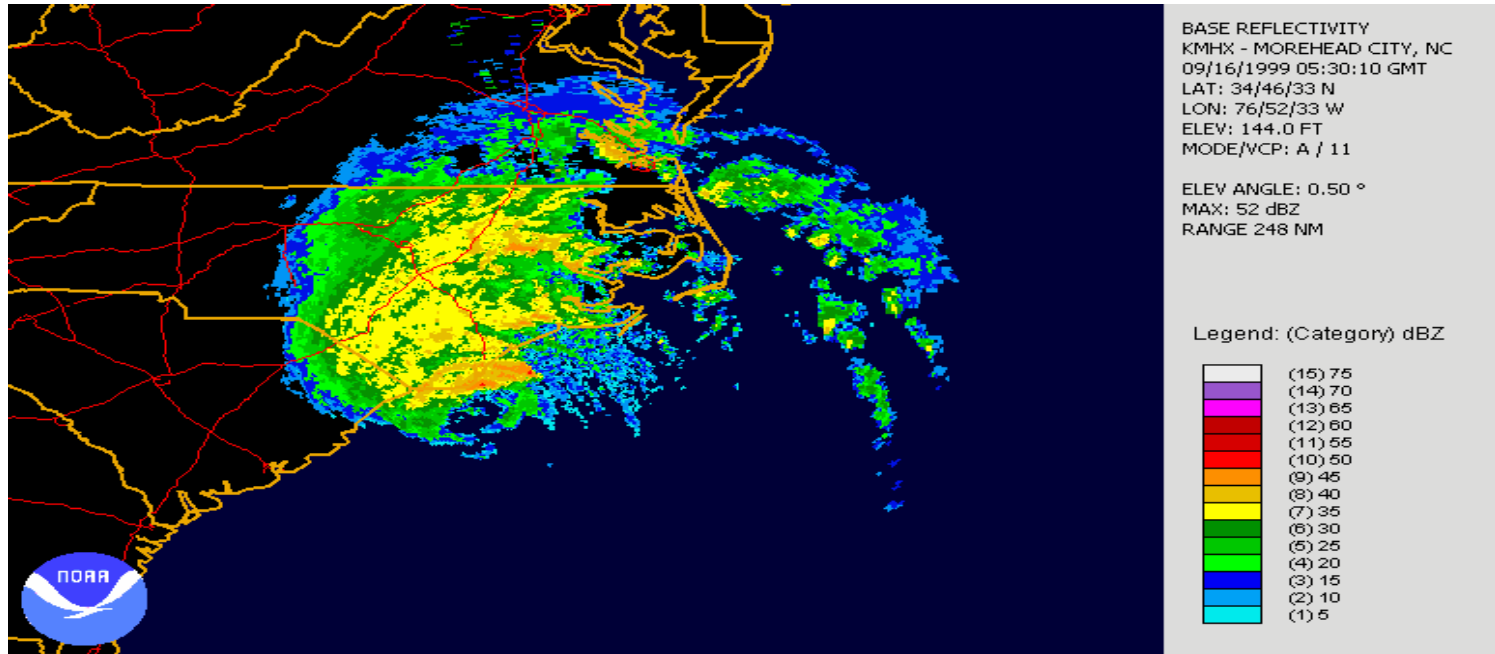


CATEGORY 3 LANDEALL CAPE FEAR

27 DEATHS / 24 NC

3 BILLION DAMAGE ~ 1 BILLION IN AG

FLOYD- 1999-104 MPH



CATEGORY 2 LANDFALL CAPE FEAR

57 DEATHS / 27 NC

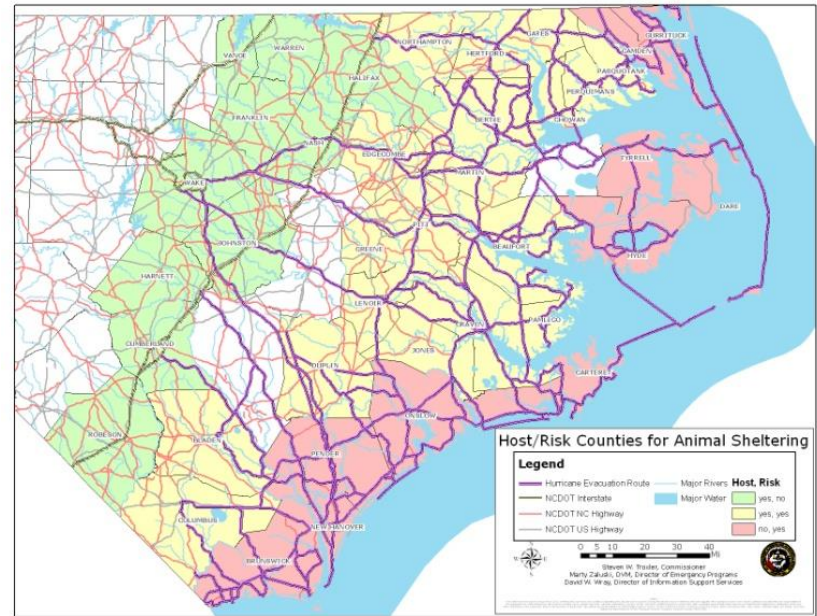
4.5 BILLION DAMAGE ~ 1 BILLION IN AG

AGRICULTURE EMERGENCY RESPONSE TEAMS

- ✓ **PURPOSE- ASSIST w/ IDENTIFIED UNMET NEEDS
OF FARMERS**
- ✓ **DEVELOPMENT- COMMUNITY, REGION, STATE**
- ✓ **EQUIPMENT**
- ✓ **CIVIL AIR PATROL**
- ✓ **ADULT CORRECTIONS**

Public Health Partnership Co-located Sheltering

- **Pets Evacuation and Transportation Standards Act (PETS Act)**
 - Shelter pre-inspections
 - Expertise & training for
 - county volunteers (NC VRC)



<http://www.ncagr.gov/oep/sheltering/training.htm>



APRIL 16
TORNADOES
\$100,000
INFRASTRUCTURE





HURRICANE IRENE
320 Million of 400 Million



MHTD Applications

Animal Health



**ANIMAL HEALTH
PROGRAMS**

[Premises](#)
[Contacts](#)
[Vet Business](#)
[Reports](#)
[Administration](#)
[Help](#)

Premises

State ID

552722851

National ID

00DY1X4

Name

Type

FARM

Physical Address

2004 TRENTON ROAD
RALEIGH, NC 27607

County

WAKE

Coordinates

(35.8069° N , 78.7454° W)

Premises Contact

NCSU METABOLISM UNIT

Quarantines

Comments

THIS PREMISES HAS CATTLE, GOATS, AND SHEEP.

Animal ID Assignments

Animal Operations

Species

BOVINE

Food Firms

[Home](#)
[Data](#)
[Task](#)
[Report](#)
[Management](#)
[Feed Firms](#)

[Receiving](#)
[Firm Labels](#)
[Compliance](#)
[Inspectors' Log](#)
[Region Map](#)

Month: Year: [View](#)

[Summary](#)
[Inspectors](#)
[Metrics](#)

Monthly Metrics - November, 2012

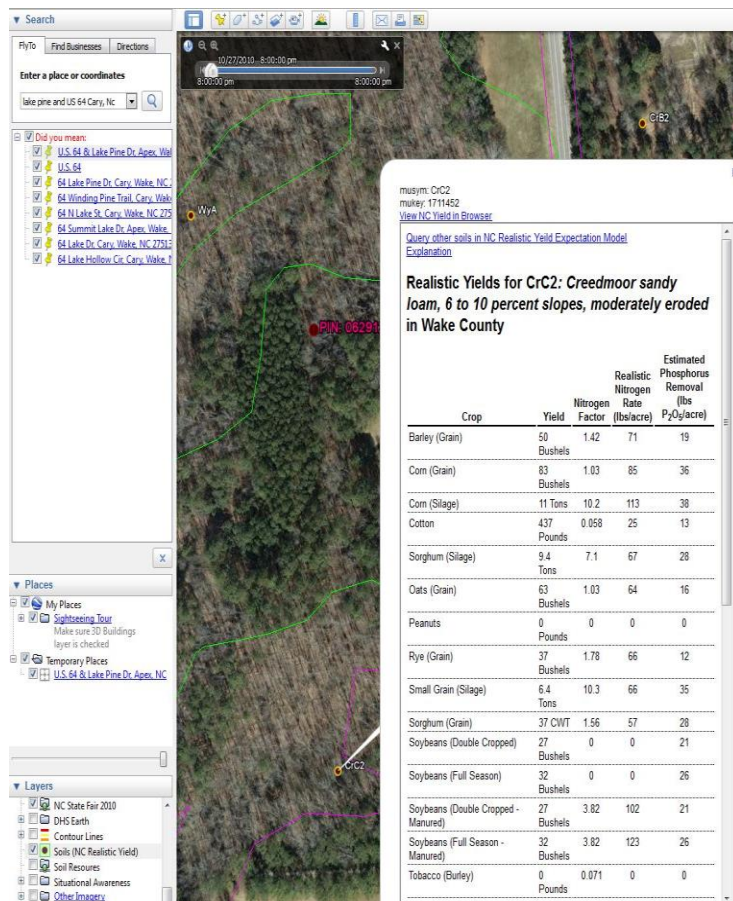
Regular Inspections							
Region	Hours per Inspection					Sum	
	Travel	Inspection	Paperwork	Samples	Total	Number	Hours
Central Region - Level 1	0.977 h	1.938 h	0.791 h	0.030 h	3.736 h	109	407.250 h
Central Region - Level 2	2.196 h	3.732 h	4.804 h	0.446 h	11.179 h	14	156.500 h
Eastern Region - Level 1	1.494 h	2.407 h	1.093 h	0.017 h	5.012 h	43	215.500 h
Eastern Region - Level 2	3.386 h	4.023 h	3.841 h	0.273 h	11.523 h	11	126.750 h
Egg Inspector - Level 1	2.600 h	0.925 h	0.475 h	0.000 h	4.000 h	10	40.000 h
Office - Level 1	0.500 h	1.000 h	0.500 h	0.000 h	2.000 h	1	2.000 h
Piedmont Region - Level 1	1.163 h	2.155 h	1.063 h	0.016 h	4.397 h	63	277.000 h
Piedmont Region - Level 2	2.438 h	2.500 h	5.250 h	0.375 h	10.563 h	4	42.250 h
Western Region - Level 1	1.897 h	2.135 h	0.877 h	0.032 h	4.940 h	63	311.250 h
Western Region - Level 2	3.446 h	5.500 h	2.393 h	0.107 h	11.446 h	14	160.250 h
All Regions	1.554 h	2.346 h	1.279 h	0.058 h	5.237 h	332	1738.750 h

Visits							
Region	Hours per Inspection					Sum	
	Travel	Visit	Paperwork	Samples	Total	Number	Hours
Central Region - Level 1	1.229 h	1.208 h	0.417 h	0.458 h	3.313 h	12	39.750 h
Central Region - Level 2	0.500 h	1.000 h	0.250 h	0.750 h	2.500 h	1	2.500 h
Eastern Region - Level 1	1.333 h	0.750 h	0.500 h	0.000 h	2.583 h	6	15.500 h
Eastern Region - Level 2	1.083 h	1.417 h	0.833 h	0.333 h	3.667 h	3	11.000 h
Piedmont Region - Level 1	0.675 h	0.875 h	0.600 h	0.275 h	2.425 h	10	24.250 h
Piedmont Region - Level 2	2.875 h	1.875 h	0.813 h	0.750 h	6.313 h	4	25.250 h
Western Region - Level 1	1.050 h	1.100 h	0.700 h	0.500 h	3.350 h	5	16.750 h
Western Region - Level 2	1.111 h	1.444 h	0.722 h	0.222 h	3.500 h	9	31.500 h
All Regions	1.200 h	1.180 h	0.600 h	0.350 h	3.330 h	50	166.500 h

Special Activities			
MFRPS Standard 1 - Regulatory Foundation	0.000 h	610.250 h	
MFRPS Standard 2 - Training Program	8.500 h	614.600 h	
MFRPS Standard 3 - Inspection Program	0.000 h	937.750 h	
MFRPS Standard 4 - Inspection Audit Program	0.000 h	582.000 h	
MFRPS Standard 5 - Illness & Outbreak Response	0.000 h	77.750 h	
MFRPS Standard 7 - Outreach	122.500 h	2498.500 h	
MFRPS Standard 8 - Program Resources	0.000 h	4.500 h	
MFRPS Standard 10 - Laboratory Support	0.000 h	141.000 h	
Laboratory Option	0.000 h	1390.000 h	
TOTAL	131.000 h	6856.350 h	

MHTD Applications

Realistic Yields



Standards Division

The screenshot displays the Standards Division application interface. It includes a header with the North Carolina Department of Agriculture and Consumer Services logo and contact information. The main area contains a form for dispensing site inspection and liquid measure test.

North Carolina Department of Agriculture and Consumer Services
Standards Division
1050 Mail Service Center, Raleigh, NC 27699-1050
Stephen Benjamin, Director, (919) 733-3313

Home Data Task Report Management Logout

LPG-4 North Carolina Dept of Agriculture and Consumer Services, Standards Division

Date: 8/29/2012
County: Vance
Site Name: AAA Gas & Appliance Co., Inc.
Equipment Owner: _____
Address: 213 Young St. Henderson NC
Address: _____

Make repairs by _____, and return this report, duly signed, to this office
Date All Repairs Completed: 10/1/2012
Name of Service Technician: _____

DISPENSING SITE INSPECTION

Container Manufacturer: American Welding
Container Serial: JEI0246
Container Capacity: 500
Meter: _____ Size: _____

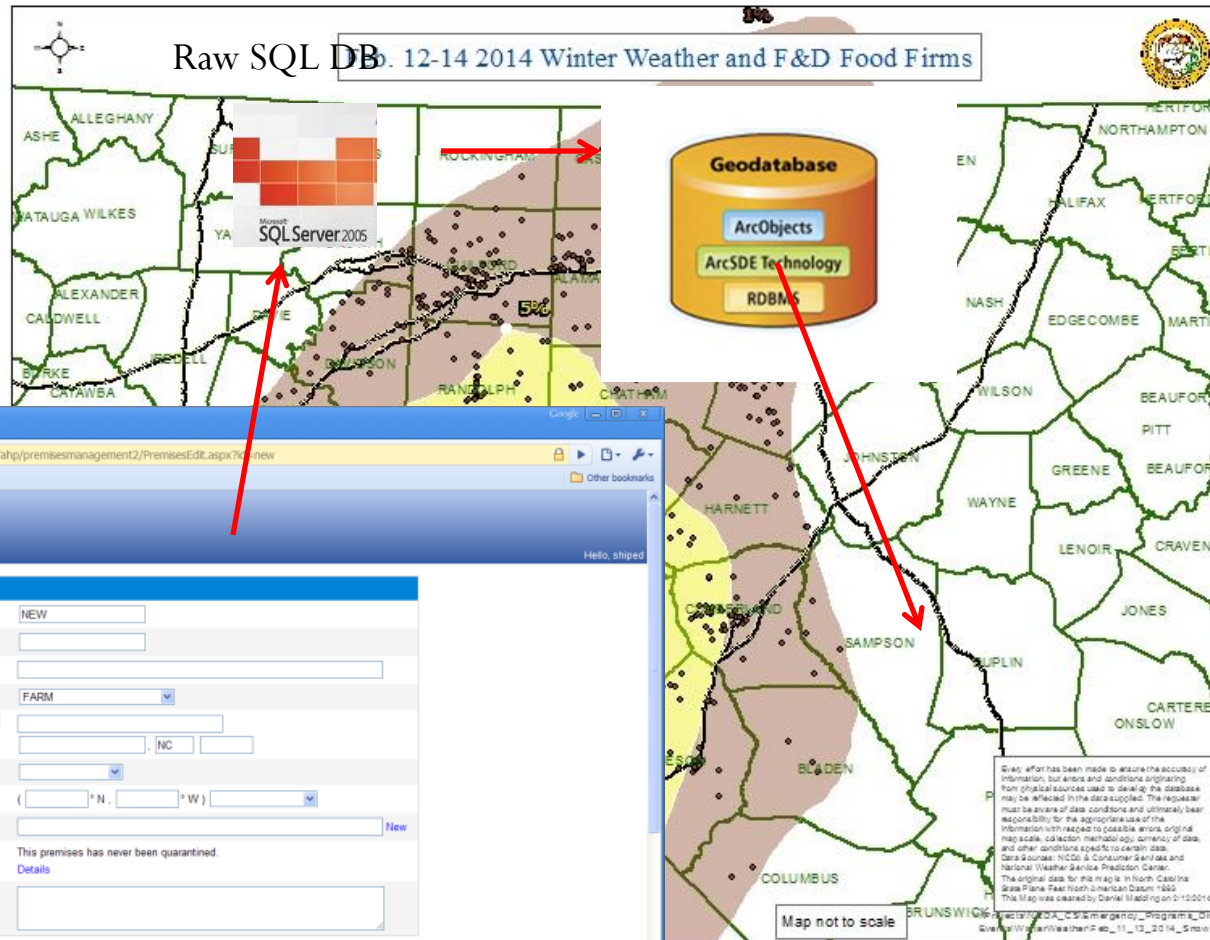
1 ☒ **Registered** - license displayed (G.S. 119)
2 ☒ **Fire Extinguisher** - 18 lbs dry chemical with B:C Rating (6.25.4.2)
3 ☒ **No Smoking Sign** - no open flame, no ignition source within 25 ft (6.22.3)(7.2.3.2.B)
4 ☒ **Lighting** - if night fueling done (6.18.5)
5 ☒ **Personnel Trained** - for safe fueling (7.2.2.1)(4.4)
6 **Transfer Point Location**
a ☒ 10 ft from public ways (6.5.3)
b ☒ 25 ft from buildings, openings, pits, property lines, railroad tracks (6.5.3)(6.24.3.2)
12 ☒ **Hydrostatic Release Valves** - (6.13)(6.24.3.6)
13 ☒ **Flexible Connector** - condition, 5ft maximum (6.9.6.2)
14 ☒ **Shutoff Valves** - accessible, at tank (5.7.8.1(F))
15 ☒ **Relief Valves** - covered (6.7.2.4)
16 ☒ **Fill Valves** - capped (5.7.8.2)
17 **Excess Flow Valves**
a ☒ tank openings (5.7.4.1)
b ☒ piping at hose connection (or differential valve) (6.24.3.5)
18 ☒ **Scales** - condition, accuracy (NIST 44)

LIQUID MEASURE TEST

Totalizer, Before: _____ After: _____
Gallons Used for Meter Test: _____
Gear Change: _____ TC: _____
NC Seals: ☐ Intact ☐ Broken ☐ Other _____
Product Temp: _____ Printer: _____

METER REGISTRATION ERROR

Overlaying MHTD's Facility Data With Weather Predictions



Data management tools

MHTD Funding Cuts

- Cuts in both Federal and State funding- hardware is over 10 years old- no longer industry standard
- 2010 the MHTD appropriations = \$300,000
- FY 2014 = \$186,480 or 38% cut
- FY 2015 = \$7,500; reducing the MHTD to under \$180,000
- Increase in cost to OITS and licensing costs increase for GIS software

CONTACT INFORMATION

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